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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/849,504	05/20/2004	Fumio Okano	040229	5963
23850	7590 09/28/2005		EXAMINER	
ARMSTRONG, KRATZ, QUINTOS, HANSON & BROOKS, LLP			SUGARMAN, SCOTT J	
1725 K STREI SUITE 1000	ET, NW		ART UNIT	PAPER NUMBER
	ON, DC 20006		2873	<u> </u>

DATE MAILED: 09/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

			AK			
		Application No.	Applicant(s)			
Office Action Summan		10/849,504	OKANO ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Scott J. Sugarman	2873			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with t	he correspondence address			
WHIC - Exte after - If NC - Failu Any	CORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DAISSION of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Depend for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICAT 36(a). In no event, however, may a reply l vill apply and will expire SIX (6) MONTHS cause the application to become ABAND	TION. De timely filed from the mailing date of this communication. ONED (35 U.S.C. § 133).			
Status						
1)[Responsive to communication(s) filed on					
2a) <u></u> □	This action is FINAL . 2b)⊠ This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11	, 453 O.G. 213.			
Dispositi	ion of Claims					
5)□ 6)⊠ 7)⊠	Claim(s) <u>1-13</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) <u>1-4,8,9,11 and 12</u> is/are rejected. Claim(s) <u>5-7, 10 and 13</u> is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.				
Applicati	ion Papers					
	The specification is objected to by the Examiner	r .				
	The drawing(s) filed on 20 May 2004 is/are: a)		to by the Examiner.			
	Applicant may not request that any objection to the o	drawing(s) be held in abeyance.	See 37 CFR 1.85(a).			
11)	Replacement drawing sheet(s) including the correcti The oath or declaration is objected to by the Exa		. ,			
Priority u	under 35 U.S.C. § 119					
12)⊠ a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prioric application from the International Bureau See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	cation No eived in this National Stage			
Attachmen	• •	· · · · · · · · · · · · · · · · · · ·				
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summ Paper No(s)/Ma				
3) 🔯 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date <u>5-20-04</u> .		al Patent Application (PTO-152)			

DETAILED ACTION

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4, 8, 9, 11 and 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Nomura et al. Nomura et al teaches a three-dimensional image optical system having an elementary image optical subsystem that includes afocal optical elements (4,5) where each afocal optical element has a first optical component (4) and a second optical component (5) both aligned in such a distance that an optical convergence area of the first optical component (4) and the optical convergence area of the second optical component (5) spatially coincide at (6) (see Figs. 1 and 7; col. 5, lines 54-57). The first optical component (4) and the second optical component (5) are both aligned in such a distance that the first optical component (4) and the second optical focal points of the first optical component and the second optical component coincide. As shown in

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the ray traces of Figs. 1 and 7, the focal lengths of the two optical components are different. Slit arrays (23, 25) are considered to be the gobo, or go between elements in this case.

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Allowable Subject Matter

Claims 5-7, 10 and 13 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: The prior art does not teach the recited 3-D optical system including the arrangement of afocal components where at least one of the first optical component and the second optical component is a radial graded refractive index rod lens. Also, the prior art does not teach or suggest the recited numerical parameters in claims 6 and 7.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Ezra et al and Davies et al both teach afocal arrays in 3-D optical systems.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott J. Sugarman whose telephone number is (571)272-2340.

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The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Scott J. Sugarman Primary Examiner Art Unit 2873

sjs September 27, 2005